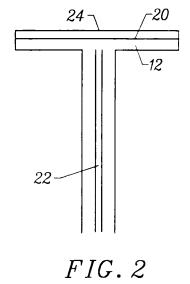
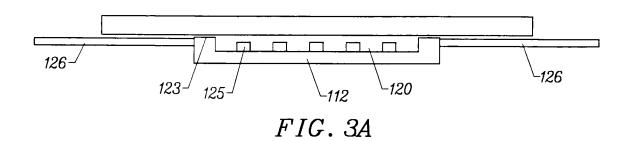
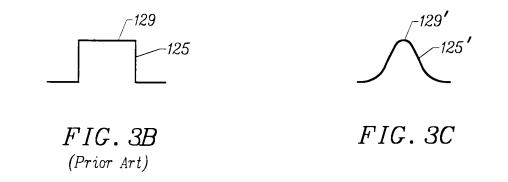


FIG. 1







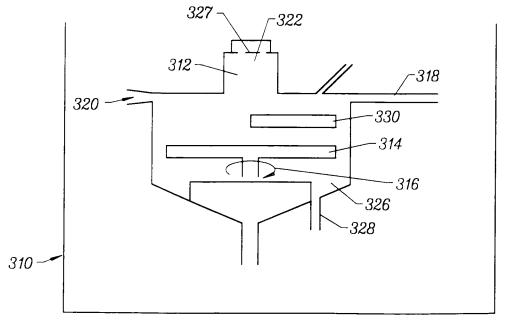
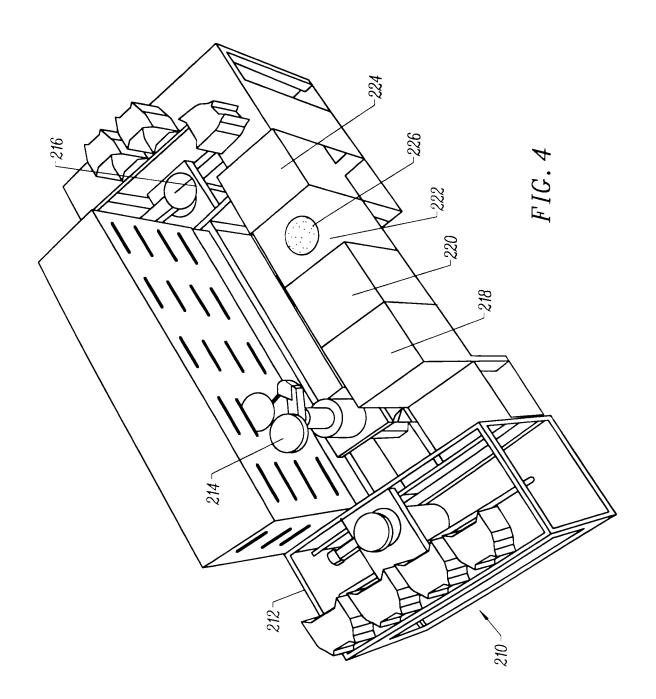


FIG. 5







Minimization of Surface Contact Area

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Coating uniformity is not compromised when the wafer-to-chuck contact "dimples" are reduced by 50%.

1.84	3.89	W-W Uniformity
9	7.5	X-Wafer Uniformity
Reduced Dimple Chuck	Std Chuck	Coat Parameter

Coating Uniformity: Std Chuck vs Reduced Dimple Chuck

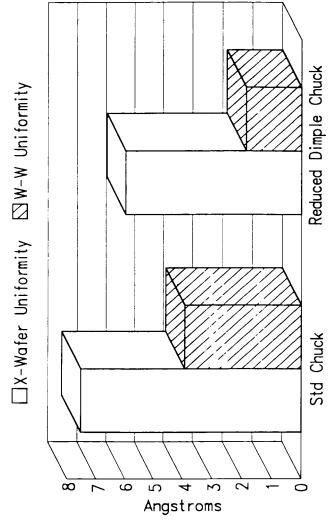


FIG. 7

Minimization of Surface Contact Area

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	D D	
backside	reducing	t sites.
	when	ontact
reductions in	achieved when	wafer contact
<u>n</u>	<u>.v</u>	Ξ
Significant	contamination	the number

	1	1	
% Reduction	41.8	34.6	22.9
Reduced Dimple Chuck	7914	5885	5031
Std Chuck	13587	8997	6524
Wafer #	_	2	3

Standard Chuck vs Reduced Dimple Chuck

